

PRODUCT BULLETIN  
GYPSUM PRODUCTS

GYPSUM BOARD  
5/8" NULL-A-FIRE (U.L.)  
TYPE X

BULLETIN NO: B-6  
DATE: 4/1/77  
PAGE: 1 of 2

APPROVALS:

ASTM C36

CANCELS: B-6  
DATE: 9/12/75

PRODUCING PLANTS: Long Beach, Antioch, Seattle

CORE FORMULATION (Lbs./MSF):

Board Stucco	(S-1)	1525 - 1800
Paper Fiber	(B-G-1)	10 - 15
Vermiculite Ore	(RM-B-28)	23 - 26
Glass Fiber	(B-G-1)	3.8 - 4.2
Starch	(RM-B-11)	9.0 - 12.5
- with sanders		6 - 10
Dextrose	(RM-B-3)	0 - 3
Core Foaming Agent	(B-G-1)	0.2 - 1.4
Lignin - dry powder	(B-G-1)	2.5 - 4.0
- liquid		5.0 - 8.0
End Trim	(B-G-1)	20 - 40
Potassium Sulfate	(B-G-1)	0 - 1
Retarder	(B-G-1)	0 - 0.5
Hydrated Lime	(RM-P-3)	0 - 1.0
Boric Acid	(B-G-1)	0 - 1.0

Note: Formula shall conform to U.L. Follow-Up Procedure R3543, Vol 1, Sec. 1.

Paper Liners: (RM-B-1) Use Grade #7001 Manila and Grade #7002 Greyback for face and back paper respectively, except for Partition Board. Use Grade #7010 Partition Board Manila and Grade #7013 Partition Board Greyback for face and back paper respectively on all 5/8" board manufactured for use in partitions.

OPERATING SPECIFICATIONS: Refer to Product Bulletin B-G-2 for General Operating Specifications.

Slurry Slump (inches)	4½ - 9
Slurry Setting Time (minutes)	2 - 4 3/4
Wet Slurry Weight (lbs/cu. ft.)	64 - 70
Wet Compressive Strength (psi)	175 - 250

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PRODUCT SPECIFICATIONS: Refer to Product Bulletin B-G-4 for General Finished Product Specifications.

	Acceptance Limits		Control Values		
	Min.	Max.	Min.	Std.	Max.
Wet Weight (lbs/MSF)			3050		3500

TAKE-OFF TESTS

Dry Weight (lbs/MSF)	2080	2300	2130	2150	2300
Evaporation Loss			900		1200
Thickness, avg. (inch)	0.609	0.641	0.609	0.615	0.625
Thickness, indiv. rdg. (inch)	±0.010 from avg.		±0.010 from average		
Twist Test, tested hot face and back (inch)			0	0	2
End Peel, tested @ 1-2 hours face and back (inch)			0	0	1
Bond Test, tested @ 1-2 hours face and back (inch)		2	0	0	1
Falling Ball Impact (inch)			0.020		0.050
Edge Hardness (lbs)	8		10	14	18

STANDARD CONDITIONED SAMPLE TESTS

Flexural Strength (lbs)					
Across	180		180	190	
Parallel	62		62	65	
Deflection @ Break (inch)					
Across	0.25		0.25	0.30	
Parallel	0.20		0.20	0.25	
Punch Test	600	1000	700		1000
End Peel after Sawing		1		0	1/2
Twist Test					
face and back		2		0	1
High Humidity Bond (inch)					
face and back		1		0	1

PRODUCT IDENTIFICATION

Print on one taper area on face of tapered edge board:

5/8" NULL-A-FIRE TYPE X X 5/8" NULL-A-FIRE TYPE X

On the back side of 24" and 48" board, the U.L. design data shall be printed near the edge opposite the code. No face or back U.L. marking on 30" board.